

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000548**Date Inspected:** 21-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 12**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai

Quality Control Contact:	ABF Paint Supervisor William (B)			Quality Control Present:	Yes	No	
Material transfer:	Yes	No	N/A	Sampled Items:	Yes	No	N/A
Stock Transfer:	Yes	No	N/A	OK to Cut:	Yes	No	N/A
Rebar Test Witness:	Yes	No	N/A	Delayed/Cancelled:	Yes	No	N/A
Other:	Surface Preparation and Coatings Application						
Bridge No:	34-0006			Component:	OBG 2BW, 2BE		
Bid Item:	79, 80, 81			Lot No:	B226		

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Donald Jordan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Paint Lab

Caltrans QA Coatings Inspector Jordan discussed with Caltrans Structural Materials Representative (SMR) Andrew Ferng the progress being made regarding Caltrans lab testing. Mr. Ferng reported that the Caltrans SGS Shanghai lab refuses to allow witnessing of the tests being performed by Caltrans and/or International Paint representatives. The issue is still being addressed.

OBG 2BW, 2BE

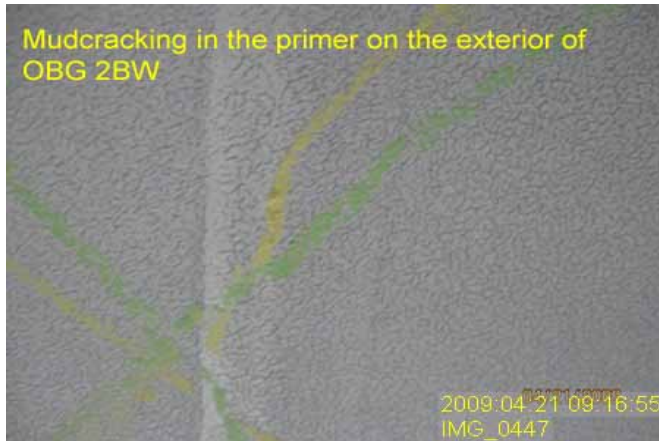
Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC for final primer application on the interior of OBG 2BW and 2BE to assess touch up and dry film thicknesses prior to it being moved to the OBG assembly area. An excessive amount of defects were identified by QA: 1) mud-cracking on the exterior surfaces where the applicator made his overlaps with the primer. 2) Holidays were located on the interior surfaces. High and low dry film thicknesses. The units will stay in the paint shop until the issues are corrected.

Caltrans Coatings Inspector Jordan requested through ABF to remove the word final from the Notice of Inspections. Caltrans QA staff cannot perform a final inspection on the coating until ABF submits a formal Final Inspection Request Form.

Fabrication on assembled components of the OBG's are not complete. Coating damage to the substrate is expected.

SOURCE INSPECTION REPORT

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Summary of Conversations:

There were no relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh (China) +8613472477571, who represents the Office of Structural Materials for your project.

Inspected By:	Jordan,Don	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
